

Applicants: Shi Du Yan, et al.
Serial No.: 10/577,382
Filed: February 11, 2008
Page 2

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for treating a subject either during or soon after a seizure, in order to reduce the extent of neuronal damage in the subject resulting from the seizure comprising administering to the subject, either during or soon after the seizure, a therapeutically effective amount of an inhibitor of receptor for advanced glycation endproducts (RAGE), so as to thereby reduce the extent of neuronal damage in the subject, wherein the inhibitor of RAGE is selected from the group consisting of an antibody, an antisense molecule, an RNAi molecule, and a catalytic nucleic acid.
2. (Original) The method of claim 1, wherein the subject is a human.
3. (Original) The method of claim 1, wherein the neuronal damage comprises cell death in the hippocampus and/or cerebral cortex.
4. (Withdrawn) The method of claim 1, wherein the neuronal damage comprises cell dysfunction in the hippocampus and/or cerebral cortex.
5. (Currently Amended) The method of claim 1, wherein the inhibitor is an antibody which, when contacted with RAGE, specifically inhibits binding between RAGE and a natural ligand thereof.
6. (Withdrawn) The method of claim 1, wherein the inhibitor is an antisense molecule which specifically inhibits the expression of RAGE in a cell.

Applicants: Shi Du Yan, et al.
Serial No.: 10/577,382
Filed: February 11, 2008
Page 3

7. (Withdrawn) The method of claim 1, wherein the inhibitor is an RNAi molecule which specifically inhibits expression of RAGE in a cell.

8. (Withdrawn) The method of claim 1, wherein the inhibitor is a catalytic nucleic acids which specifically inhibits the expression of RAGE in a cell.

9. (Original) The method of claim 1, wherein the inhibitor is administered during the seizure.

10. (Original) The method of claim 1, wherein the inhibitor is administered within three days of the seizure.

11. (Original) The method of claim 1, wherein the inhibitor is administered within one day of the seizure.

12. (Original) The method of claim 1, wherein the inhibitor is administered within six hours of the seizure.

13. (Original) The method of claim 1, wherein the inhibitor is administered within one hour of the seizure.

14. (Original) The method of claim 1, wherein the inhibitor is administered within 20 minutes of the seizure.

15. (Currently Amended) A method for inhibiting neuronal damage which would otherwise result from a seizure in a subject predisposed to having a seizure, comprising administering to the subject a prophylactically effective amount of an inhibitor of receptor for advanced glycation endproducts (RAGE), so as to inhibit neuronal damage which would otherwise result from a seizure in the event the subject were to suffer a seizure, wherein the inhibitor of RAGE is selected from the group consisting of an antibody, an antisense molecule, an RNAi molecule, and a catalytic nucleic acid.

Applicants: Shi Du Yan, et al.
Serial No.: 10/577,382
Filed: February 11, 2008
Page 4

16. (Original) The method of claim 15, wherein the subject is human.

17. (Original) The method of claim 15, wherein the neuronal damage comprises cell death in the hippocampus and/or cerebral cortex.

18. (Withdrawn) The method of claim 15, wherein the neuronal damage comprises cell dysfunction in the hippocampus and/or cerebral cortex.

19. (Currently Amended) The method of claim 15, wherein the inhibitor is an antibody which, when contacted with RAGE, specifically inhibits binding between RAGE and a natural ligand thereof.

20. (Withdrawn) The method of claim 15, wherein the inhibitor is an anti-sense molecule which specifically inhibits the expression of RAGE in a cell.

21. (Withdrawn) The method of claim 15, wherein the inhibitor is an RNAi molecule which specifically inhibits the expression of RAGE in a cell.

22. (Withdrawn) The method of claim 15, wherein the inhibitor is a catalytic nucleic acid which specifically inhibits expression of RAGE in a cell.

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

Applicants: Shi Du Yan, et al.
Serial No.: 10/577,382
Filed: February 11, 2008
Page 5

27. (New) A method for treating a subject either during or soon after a seizure, in order to reduce the extent of neuronal damage in the subject resulting from the seizure comprising administering to the subject, either during or soon after the seizure, a therapeutically effective amount of an inhibitor of receptor for advanced glycation endproducts (RAGE), so as to thereby reduce the extent of neuronal damage in the subject, wherein the inhibitor of RAGE is an antibody.